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In replying please address:

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| 22 | 2010 | AGENCY | HR 10-2 |

February 14, 1961

Dear Sir:

In accord with a recent, brief discussion with your technical representative, we are proposing herewith that additional effort be performed under Task Order No. RR, directed toward the further development of the Model 2 incinerator, particularly with regard to its motor-blower-assembly capability and adaptability to different kinds of electric power.

Most of our recent effort under Task Order No. RR has been aimed toward the development of an entire experimental Model 2 incinerator, which is expected to be generally similar to the original unit, but would embody selected minor improvements and also an interchangeable experimental lower section containing a motor-blower assembly which would operate on 110-volt, single-phase, 50/60-cycle current. Also under development has been an extra interchangeable experimental lower section containing a motor-blower assembly which is expected to operate on 208, 220, or 440-volt, 3-phase, 50/60-cycle current. Your technical representatives plan to use this lower section to replace the present lower section of the original Model 2 unit in which the motor is limited to 60-cycle-current operation.

Thus far, the activity with regard to the preparation and procurement of the various experimental components needed has been performed generally as outlined in our letter proposal dated September 29, 1960. However, unanticipated difficulties have been encountered in the procurement of a suitable motor for operation on 110-volt, single-phase, 50/60-cycle

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current, and of an appropriate starter switch for use with this motor. As a result, it appears that additional effort will have to be performed in order to investigate the various means of resolving these difficulties.

It is proposed that additional inquiries be made to explore the commercial availability of a suitable single-phase electric motor and an appropriate starting switch. The information obtained and, to the extent necessary, alternative methods of circumventing these difficulties, along with our recommendations, would be discussed with your technical representative; on the basis of mutual agreement, selections would be made of items and/or arrangements which were considered satisfactory in this application. In view of the variety of service electric-power conditions, it appears that some compromise in the performance factors would have to be considered; however, it is currently expected that the extent of such compromise, if any, would be minor.

Subsequently, appropriate items would be prepared experimentally or procured, and installed. The performance of the experimental units would then be evaluated and, to the extent possible within the time and funds provided, necessary minor modifications would be made, as outlined in our letter proposal dated September 29, 1960.

It is emphasized that every effort would be made to expedite the performance of the Task Order No. RR research. If, as expected, the results of the proposed effort are favorable, it is planned that the experimental lower section with the motor-blower assembly equipped to operate on 208, 220, or 440-volt, 50/60-cycle, 3-phase current would be made available to your technical representative before the effort with regard to the second

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experimental lower section was concluded. Further, it is currently estimated that the top (combustion chamber) portion and the 110-volt, 50/60-cycle, single-phase lower section could be shipped to your technical representative, for further evaluation, by approximately two months before the end of the extended research period proposed herein.

Also, efforts would be made to expedite the preparation of appropriate working drawings, so as to be of maximal aid in the currently planned procurement, by your technical representatives, of several suitable Model 2 units from a commercial fabricator.


Accordingly, it is proposed that the Task Order No. RR agreement be amended to provide for an additional two-month period of research (starting May 1, 1961), with an increase in the estimated appropriation of \$4,100. In view of the technical urgency for obtaining the research results contemplated by this proposal and of other factors of concern to us, we elect to waive the fixed fee for this research in order to expedite the contractual arrangements. Of course, we do not intend to set a precedent by the waiving of the fixed fee in this instance. A general breakdown of the increase in the estimated appropriation is attached.

The proposed amendment to the Task Order No. RR agreement would be a period-basis agreement, consistent with our current contractual arrangements and providing only for a fixed period of research leading toward the objectives outlined above. The reporting and liaison would be carried on as outlined in our letter proposal dated September 29, 1960.

If you need any additional information, please do not hesitate to call us. Any inquiries of a contractual nature may be directed to

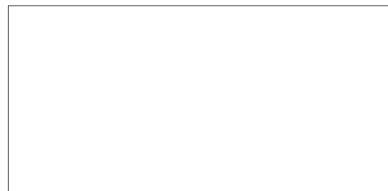
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 at Extension 159. We shall appreciate expeditious consideration of this proposed program of additional research under Task Order No. RR.

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Very truly yours,



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